

ABSTRACT

A water-cool radiator module comprising a supporting part that further comprises a shell body; the shell body comprises a fan and a water tank; the water tank is connected to a cold water pipe and a hot water pipe; the extended section of the cold water pipe and hot water pipe connects to a cold waterhead; the shell body further comprises several radiating holes at one end; in practical application, the supporting part is fixed in a slot on the computer case and the shell body is firmly fixed on the slot; cold water on heat-generating electronic component is sent to the shell body via hot the water pipe; blown by the fan, heat is radiated outward via radiating holes; and cool fluid flows from the water tank to the cold waterhead via the cold water pipe. With repeated circulation, the heat produced by electronic component is taken away quickly. On the other hand, since the water tank, the radiating fins and the fan are all fixed on slot, the heat-generating electronic component does not bear the weight of the water tank, the radiating fins and the fan. As a result, this reduces the possibility of any damage to the heat-generating electronic component and saves space above the heat-generating electronic component.